

In the Specification

Please amend the specification to read as follows.

The paragraph starting at page 34, line 23 and ending at page 35, line 2 has been amended as follows.

In the third embodiment, data sent from the control circuit 101 of the main body of the printing apparatus to a printhead IJH are only image data (not shown) and a minimum command 304. The printhead IJH according to the third embodiment[[,]] comprises a command control unit 120 and a sequence control unit 221 which can expand a sequence command.

The paragraphs starting at page 36, line 19 and ending at page 38, line 3 have been amended as follows.

Fig. 16 is a view for explaining the mounting state of an ink tank ~~H-1900~~ H1900 on a printhead IJH which constitutes a printhead cartridge ~~H-1000~~ H1000. Ink tanks ~~H-1901, H-1902, H-1903, and H-1904~~ H1901, H1902, H1903, and H1904 store inks in different colors. Each ink tank has an ink supply port for supplying ink in the ink tank to the printhead IJH. Ink is supplied to a printing element base via the ink supply port. Ink is supplied to a bubbling chamber having an electrothermal transducer and orifice, and

discharged to a printing sheet serving as a target printing medium by heat energy applied to the electrothermal transducer.

In the fourth embodiment, the ink tanks ~~H-1901, H-1902, H-1903, and H-1904~~ H1901, H1902, H1903, and H1904 individually comprise memories. Fig. 17 is a block diagram for explaining access to the memory in each ink tank. Electrical terminals which are connected to the memories arranged in the ink tanks ~~H-1901 to H-1904~~ H1901 to H1904 are connected to the electrical terminals of the printhead IJH when the ink tanks ~~H-1901 to H-1904~~ H1901 to H1904 are mounted on the print head IJH. This connection realizes electrical communication between a carriage control unit 102 and the memory of each ink tank via the printhead IJH.

A control circuit 101 can generate information on the ink use amount on the basis of data to be printed, or data based on the ink discharge amount. For example, the control circuit 101 can count the number of printing dots and generate a printing dot count value for each color corresponding to each ink tank. If the control circuit 101 issues to a memory control unit 121 an instruction of writing such printing dot count value in the memory of a corresponding ink tank, the memory control unit 121 executes a memory write instruction 125 which designates the memory address of each ink tank. The printing dot count value can be stored in the memory of a corresponding ink tank (~~H-1901 to H-1904~~) (H1901 to H1904) via the memory control unit 121. An accurate ink consumption amount can be held for each ink tank.